



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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 No. 44] NEW DELHI, SATURDAY, OCTOBER 28, 2000 (KARTIKA 6, 1922)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
 [Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2  
 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Calcutta, the 28th October 2000

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Telegraphic address "PATENTOFIS"  
 Phone No. 490 1495  
 Fax No. 044 490 1492.

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 "NIZAM PALACE", 2nd M.S.O.  
 Building, 5th, 6th & 7th  
 Floors, 234/4, Acharya Jagadish  
 Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"  
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All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 1999 or the Patents Rules, 1972 as amended by the Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office.

Fees—The fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

## पेटेंट कार्यालय

## एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 28 अक्टूबर 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय वा प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, दिल्ली एवं चैन्सी में इसके शाखा कार्यालय हैं, जिनके प्रादर्शिक धैर्याधिकार जोन के आधार पर निम्न रूप प्रदर्शित हैं—

पेटेंट कार्यालय शाखा, टोडी इस्टेट, तीमरा तल, लोउर परल (प.), मुम्बई-400 013.

गुजरात, महाराष्ट्र, भूम्य प्रदेश तथा गोआ राज्य भैंश एवं संघ शासित क्षेत्र, दान तथा दीव एवं दादर और नगर इन्हें।

तार पता-“पेटेंटिंग”

फोन : 482 5192 फैक्स : 022 4950 622.

पेटेंट कार्यालय शाखा, एक सं. 401 से 405, तीमरा तल, नगरपालिका बांग भवन, मरम्बती मार्ग, करोल बाग, दिल्ली-110 005.

हिमाचल प्रदेश, जम्म नगर कडीर, चंगाब, राजस्थान, उत्तर प्रदेश तथा दिल्ली राज्य अंतर्गत गन्ध शासित क्षेत्र चंडीगढ़।

तार पता - “पेटेंटिंग”

फोन : 578 2532 फैक्स : 011 576 6204

## APPLICATION FOR THE PATENT FILED AT THE HEAD OFFICE 234/4 ACHARYA JAGDISH BOSE ROAD CALCUTTA-700 020.

The dates shown in the crescent brackets are the dates claimed under section 135, under Patent Act, 1970.

4-9-2000

510/Cal/2000, Global Knowledge Portals Pvt. Ltd. A KQ system a method for collecting, storing and retrieving data from a computer storage media

511/Cal/2000, P & H Glass Co., Ltd. Laminated glass and method and apparatus for manufacturing the same (Convention No(s) 10-1999-0065356 filed on 29-12-99; 10-2000 0007951 filed on 18-2-2000; 10-2000-0048602 filed on 22-8-2000 All are filed in Korea)

512/Cal/2000 Sankyo Company Limited Triazole derivatives having antifungal activity. (Convention No. 11-255702 filed on 9-9-99 and 2000-103826 filed on 5-4-2000 in Japan).

513/Cal/2000, Setaki Corporation Method and apparatus for setting granular objects with at least two different threshold levels (Convention No. 257908/1999 filed on 10-9-99 in Japan).

## पेटेंट कार्यालय शाखा,

विंग गी (सी-4, ए),

तीमरा तल, राजाजी भवन, बग्दा नगर,

मुम्बई-600090।

आन्ध्र प्रदेश, वनाटक, वंशन, तमिलनाडू

तथा पाण्डिचेरी राज्य क्षेत्र एवं

संघ शासित क्षेत्र, लक्ष्मीपुर, परिनिकाय

तथा गोमीनिदिवि दीपि।

तार पता - “पेटेंटिंग”

फोन : 490 1495 फैक्स : 044 490 1492

## पेटेंट कार्यालय (प्रधान कार्यालय)

निजाम पैलेस, दिवतीय भूतलीय कार्यालय

भवन 5, 6 तथा 7वां तल,

234/4, आचार्य जगदीश बोस मार्ग,

कलकत्ता-700 020.

## भारत का अवशेष क्षेत्र।

तार पता - “पेटेंट्स”

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा दाखिल अभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज़ या कार्ह फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही प्रहण किये जायेंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की राएरी अथवा जहां उद्युक्त कार्यालय अव स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्रॉफ्ट अथवा चेक द्वारा की जा सकती है।

514/Cal/2000, Degussa-Huhs-Aktiengesellschaft. Process for the preparation of epoxides from olefins. (Convention No. 199 44 839.6 filed on 18-9-1999 in Germany).

5-9-2000

515/Cal/2000, LG Electronics Inc. Door gasket mounting structure for a refrigerator. (Convention No. 1999-67081 filed on 30-12-99 in Republic of Korea).

516/Cal/2000, Nortel Networks Limited. Method and system for switching between two network access technologies without interrupting active network applications. (Convention No. 60/157.289 filed on 1-10-99 in U.S.A.).

## APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH WING 'C' (C-4'A'), III FLOOR, RAJATI BHAVAN, BISANT NAGAR, CHENNAI-600 090

3rd July, 2000

508/Mas/2000 M. G. Sabadevan. Rotary piston internal combustion engine.

509/Mas/2000, Bracco SPA. A process for the preparation of 1, 4, 7, 10-tetraoxazacyclododecene 1, 7-diacetic acid. (July 25, 1997; Italy).

510/Mas/2000. Lucent Technologies Inc. Wireless data communications using asymmetric channel allocation. (July 2, 1999; US).

511/Mas/2000. Lucent Technologies Inc. Method for controlling power for a communications system having multiple traffic channels per subscriber. (July 8, 1999; US).

512/Mas/2000. F Hoffmann-La Roche Ag. Compositions containing fat-soluble substances in a carbohydrate matrix. (July 6, 1999; Europe).

4th July, 2000

513/Mas/2000. Honda Giken Kogyo Kabushiki Kaisha. Method manufacturing helical gears by compacting powder materials. (July 5, 1999; Japan).

5th July, 2000

514/Mas/2000. Novartis Nutrition Ag. Composition and method for prolonging the useful life of enteral feeding tubes. (July 6, 1999; US).

515/Mas/2000. Matsushita Electric Industrial Co. Ltd. Telephone apparatus. (July 6, 1999; Japan).

516/Mas/2000. Matsushita Electric Industrial Co. Ltd. Automatic gain control device and method, and radio communication apparatus having the automatic gain control function. (July 7, 1999; Japan).

517/Mas/2000. F Hoffmann-La Roche Ag. Process for the racemization of atropisomeric BIS (Phosphine oxide) compounds. (July 9, 1999; Europe).

518/Mas/2000. Porder. com Inc. System and method of data compilation. (July 6, 1999; US).

519/Mas/2000. Chinta Satyanarayana Murthy. Chainless drive hi-tech bicycle.

6th July, 2000

520/Mas/2000. International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI). An improved process for the production of dense magnesium aluminate spinel grains.

521/Mas/2000. Anand Bhatia. An intelligent device for the control of electric power supply to load units in a building.

522/Mas/2000. Thirumalai Anandampillai Vijayan. Windows fan.

523/Mas/2000. Nordland Papier Ag. Method of optimizing the metering of charge-reversal agent into paper broke. (July 16, 1999; Europe).

524/Mas/2000. Haldor Topsoe A/S. Process for the catalytic steam reforming of a hydrocarbon feedstock. (July 15, 1999; USN).

525/Mas/2000. M. Karthikeyan. Sandwich shock suppressor.

7th July 2000

526/Mas/2000. Jayakrishnan K. Nightingale—Speech oriented multiple device controller.

527/Mas/2000. Maschinenfabrik Rieter Ag. Spinning frame with condensing device separate from drafting unit. (July 9, 1999; Germany).

528/Mas/2000. Ciba Specialty Chemicals Holding Inc. Process for the preparation of a mixture of alkylated phenothiazines and diphenylamines. (July 9, 1999; Switzerland).

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if, any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

## स्वीकृत सम्पूर्ण विनिर्देश

एहमात्राय यह सूचना दी जाती है कि संबद्ध आवश्यक में से किसी पर पंटेट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक एवं सीधी व्यक्ति जो उसे चार (4) महीने की अवधि से अधिक न हो, के भीतर कभी भी निर्देशक एकस्व को उपयुक्त कार्यालय में एवं विरोध की सूचना विहित प्रलैप 4 पर अगर आवंदित हो, एक महीने की व्यक्ति से अधिक न हो, के भीतर कभी भी निर्देशक एकस्व को उपयुक्त कार्यालय में एवं विरोध की सूचना विहित प्रलैप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उसके सूचना के त्रैया या पंटेट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर काइल कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये गयींकरण, मारकीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के लक्षण हैं [1]

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंदित प्रतियों की आपूर्ति पंटेट कार्यालय या उसके शासा कार्यालयों से अथावाहत 30 रुपए प्रति की अदायगी पर को जा सकती है।

ऐसी परीक्षित में जब विनिर्देश की अंकित प्रति उपराष्ट्र नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की कार्य प्रतियों की आपूर्ति पंटेट कार्यालय या उसके शासा कार्यालयों से अथावाहत फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपए प्रति पृष्ठ या 30 रुपए की अदायगी पर को जा सकती है।

Ind. Cl. : 206 E.

185041

Int. Cl. : G 11 C 17/00, G 96 F 12/00.

## AN ELECTRONIC DEVICE.

Applicant : SEGA ENTERPRISES LTD., A JAPANESE COMPANY OF 2-12, HANEDA 1-CHOME, OHTA-KU, TOKYO 144, JAPAN.

Inventor : HIDETAKA OWAKI.

Application No. : 1129/Mas/94 filed on 17th November 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 9 Claims

An electronic device comprising a medium mounting unit (11) on which an information storage medium (12) having visually recognizable indication information is to be mounted; a detection unit (18) detecting specific information selected out of unit information constituting said indication information; and an output unit having reference information corresponding to said indication information, said output unit comparing said specific information with comparison information in the reference information corresponding to said specific information and generating an output of the compared result.

element having, as seen in plan view a shape comprising an elongated portion extending longitudinally in the circumferential direction of the furnace.

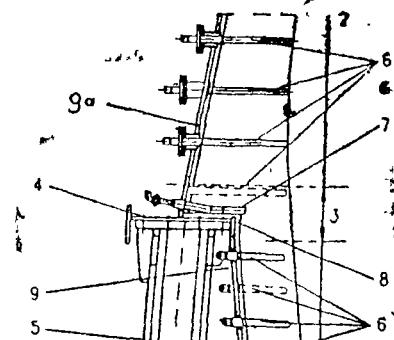
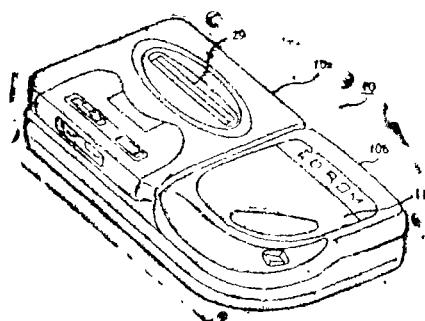


FIG. 1

(Compl. Specn. 11 Pages;

Drng. 1 Sheet)



(Compl. Specn. 30 Pages;

Digs. 11 Sheets)

Ind. Cl. : 85-R.

185042

Int. Cl. : C 21 B 7/10.

## SHAFT FURNACE.

Applicant : HOOGOVENS STAAL BV, A DUTCH COMPANY OF P.O. BOX 10,000, 1970 CA IJMUIDEN, THE NETHERLANDS.

## Inventors :

1. G. SCHELLINGERHOUT, (DUTCH)
2. C. SLEGERS, (DUTCH)
3. R. DE BOER, (DUTCH).

Application No. 1097/Mas/94 dated November 9, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 9 Claims

A shaft furnace comprising a bosh, a shaft, a mantle ring at the transition from the bosh to the shaft, a steel jacket at both said bosh and said shaft, a refractory lining on the inside of the steel jacket, a plurality of cooling elements extending into said refractory lining from said steel jacket and disposed for through-flow of cooling liquid, and at least one transition cooling element located near said mantle ring to cool a region of said refractory lining of said bosh adjacent said steel jacket at said transition, said transition cooling

Ind. Cl. : 107-E

185043

Int. Cl. : F 01 N 3/10.

## AN EXHAUST GAS PURIFYING DEVICE.

Applicant : HONDA CIKEN KOGYO KABUSHIKI KAISHA, 1-1, MINAMI-AOYAMA, 2-CHOME, MINATO-KU, TOKYO, JAPAN.

## Inventors :

1. HIROSHI KATO, (JAPAN)
2. MITSUO KUSA, (JAPAN)
3. KENSUKE SUZUKI, (JAPAN)
4. TAKAHITO SEKITA, (JAPAN).

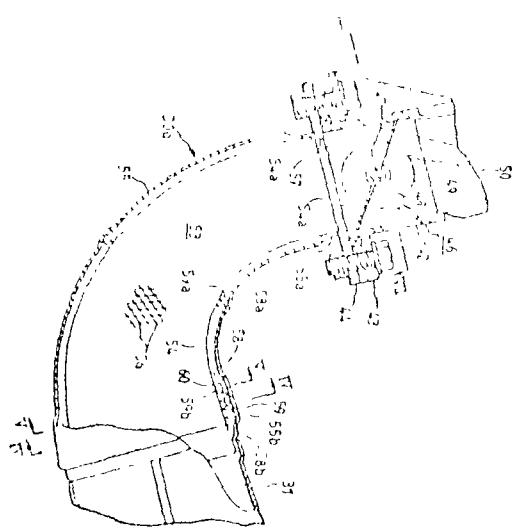
Application No. 1224/Mas/94 dated December 7, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 11 Claims

An exhaust gas purifying device comprising a cylindrical carrier having a number of holes in the cylindrical wall thereof the carrier carrying a catalyst; an exhaust pipe into which the cylindrical carrier is inserted; an elastic member set radially compressed between a part of the outer cylindrical surface of at least one end portion of the cylindrical carrier and a recess formed in the inner cylindrical surface of the exhaust pipe which is confronted with the part of the outer cylindrical surface and pressing pieces protruded from the outer cylindrical surface of the carrier so as to engage with the inner end face of the elastic member in a

direction of axis thereof, the pressing pieces cooperating with the end of the recess to compress the elastic member axially.



(Compl. Specn. 23 Pages;

Drgs. 9 Sheets)

Ind. Cl. : 129 G, P, C, F, H.

185044

Int. Cl. : B 23 B 31/02.

#### HYDRAULIC EXPANSION CHUCK.

Applicant : MOTOR INDUSTRIES COMPANY LIMITED, HOSUR ROAD, ADUGODI, BANGALORE-560 030, INDIA, AN INDIAN COMPANY, INCORPORATED UNDER THE COMPANIES ACT, 1956, HAVING ITS REGISTERED OFFICE AT HOSUR ROAD).

##### Inventors :

1. KOLI VALAPPIL RAGHAVAN.
2. HARRY ALPHONSE JOSEPH RAJ.

Application No. 290/Mas/94 filed on 13th April 1994.

Complete Specification left on 17th April 1995.

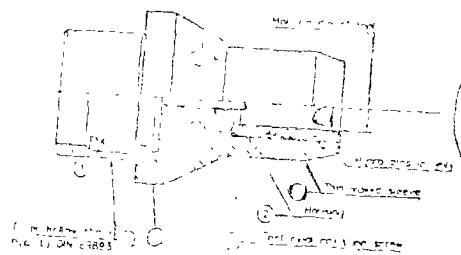
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 5 Claims

An improved Hydraulic chuck for the clamping/gripping of work pieces and tools in machine tools for metals, plastics and the like materials, such as fibre reinforced plastic and the like comprising :

- (i) a thin-walled sleeve, at least one end thereof being open for introduction of said work piece or tool required to be clamped/gripped, and
- (ii) an external housing for said thin walled sleeve, said clamping/gripping being provided by said thin-walled sleeve acting upon said work piece or tool, under the influence of the hydraulic pressure,
- (iii) said hydraulic pressure being exertable by the hydraulic fluid jelly present in the space between the said sleeve and the said housing,
- a pressure expansion mechanism to effect automatically desired pressure between the sleeve and the housing and comprising of actuating screw operable by closely guided plunger;
- an axial adjustment screw to correctly position the tool within the said sleeve.

#### HYDRAULIC EXPANSION CHUCK



(Prov. Specn. 3 Pages; Compl. Specn. 9; Drgs. 2 Sheets)

Ind. Cl. : 129 G, C, F, P, H.

185045

Int. Cl. : B 23 B 31/02.

#### PRECISION TOOL CLAMPING SYSTEM.

Applicant : MOTOR INDUSTRIES COMPANY LIMITED, HOSUR ROAD, ADUGODI, BANGALORE-560 030, STATE OF KARNATAKA. (HAVING ITS PRINCIPAL PLACE OF BUSINESS).

##### Inventors :

1. KOLI VALAPPIL RAGHAVAN
2. HARRY ALPHONSE JOSEPH RAJ

Application No. : 291/Mas/94 filed on 13th April 1994.

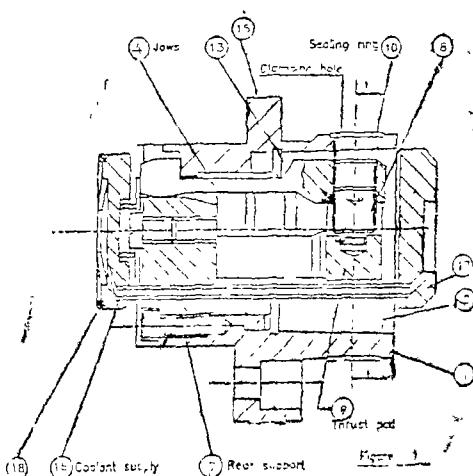
Complete Specification left : 17th April 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 6 Claims

An improved clamping device for tools and tool holders, mounted on a machine tool by means of a flange, comprising of :-

a body device having a conical closely controlled internally tapered surface, suitable for mutual engagement with a corresponding taper surface suitable on the outside of the hollow ends/shanks of a tool/tool holder; three clamping jaws being mounted on supports at rear end of the said device, said jaws being movable radially inwards and outwards; Screw means being provided for moving the said jaws in a radial direction, a channel being provided with a passage for coolant to the tool cutting edge; a floating pad being provided on all jaws; and each said jaw being provided with taper shoulder which engages with corresponding shoulder on the said inside surface of the said hollow ends/shanks to provide positive locking of said tool/tool holder.



(Prov. Specn. : 5 pages);

(Compl. Specn. : 11 pages;

Drgs. : 3 sheets)

Ind. Cl. : 172 D<sup>1</sup>, E

185046

Int. Cl.<sup>1</sup> : D 01 H 13/04A SPINNING MACHINE WITH A SLIVER FEED  
COMPRISING CANS PUT TOGETHER IN GROUPS.Applicant : MASCHINENFABRIK RIETER AG, OF  
CH 8406 WINTERTHUR, SWITZERLAND, A SWISS  
COMPANY.

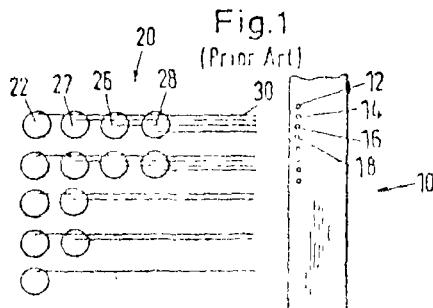
Inventors : 1. TOBLER MARTIN.

Application No. 547/Mas/94 filed on 23rd June 1994.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Chennai Branch.

## 8 Claims

A spinning machine (10) with a sliver feed (20) comprising cans (22 to 28) put together in groups, characterized in that at least one can (21, 23) contains partitions (21a, 21b, 21c, 23a), through which separate spaces exist for each sliver laid in.



(Comp. Specn. : 7 pages;

Drgs. : One sheet)

Ind. Cl. : 172 B

185047

Int. Cl.<sup>1</sup> : D 01 D 4, 00A NOZZLE PLATE HOLDING DEVICE FOR USING  
ON A SPINNING BEAM.Applicant : MASCHINENFABRIK RIETER AG, A  
SWISS BODY CORPORATE, OF CH-8406 WINTER-  
THUR, SWITZERLAND.

Inventors :

1. KRETZSCHMAR WILLI
2. ORTMAYER ERIK

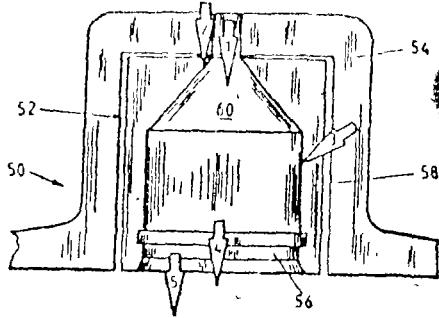
Application No. : 564/Mas/94 filed on 28th June 1994.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Chennai Branch.

## 15 Claims

A nozzle plate holding device for using on a spinning beam for spinning of continuous filaments comprising a body having an inner hollow (5) and provided with a retaining means (13) for retaining a nozzle plate so that bores (41) of this plate extend in a predefined direction (the spinning direction), the holding device comprising an axis which extends in spinning direction as well as an outer jacket surface (M) provided with outwardly protruding rests (24) capable of being brought into contact with corresponding surfaces (23) of the spinning beam with a rotating movement of the holding device around said axis after introducing the holding device from below into a receptacle opening (7) of a spinning beam in order to secure the holding device against removal from the receptacle opening (7) towards the bottom until the holding device is turned around the axis in the opposite direction, where

in the rests (24) on the jacket surface and the holding means (13) in the interior of the holding device face each other approximately radially.



(Comp. Specn. : 30 pages;

Drgs. : 4 sheets)

Ind. Cl. : 69 I

185048

Int. Cl.<sup>1</sup> : H 01 H 71/08

## A CONNECTION ACCESSORY.

Applicant : SCHNEIDER ELECTRIC SA, A FRENCH  
COMPANY, OF 40 AVENUE ANDRE MORIZET-F 92100  
BOULOGNE BILLANCOURT, FRANCE.

Inventors :

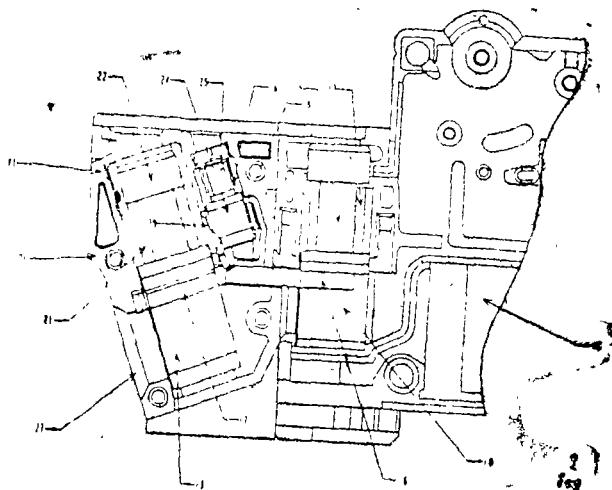
- (1) BERNARD LEPRETRE.
- (2) GERARD MAZUIT.

Application No. 567/Mas/94 filed on 28th June 1994.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Chennai Branch.

## 6 Claims

A connection accessory for an electrical switchgear apparatus, notably a circuit breaker, contactor, switch or the like, said switchgear apparatus comprising at least one input terminal & one output terminal each equipped with a first connection tunnel and a first tightening screw, characterized in that a case (20) of the accessory contains a main connection terminal (23) and an auxiliary connection terminal (26) electrically connected to a contact strip (16) arranged to be engaged in said connection tunnel (14) of said switchgear apparatus and to be fixed by means of the corresponding tightening screw (15), that the main connection terminal (23) comprises a second main connection tunnel (21) and a second tightening screw (22), said second tunnel being electrically connected to the contact strip (16), and that the auxiliary connection terminal (26) comprises a third auxiliary connection tunnel (24) and a third tightening screw (25), said third tunnel being electrically connected to the contact strip (16).



(Comp. Specn. 9 Pages)

Drgs. 3 Sheets)

Ind. Cl. : 40 F

185049

Int. Cl. : B 01 D 25/38, 23/20

## AN APPARATUS FOR TREATING LIME MUD OR THE LIKE

Applicant : AHLSTROM MACHINERY OY, OF LARS SONCKIN KAARI 32, FIN-02600, ESPOO, FINLAND, A FINNISH CORPORATION.

Inventors :

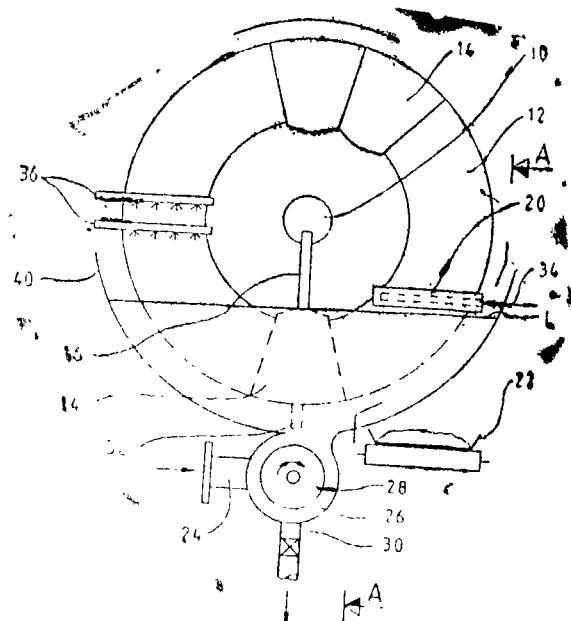
- (1) PEKKA RUOKOLAINEN.
- (2) JUHA TITOFF.

Application No. 600/Mas/94 filed on 6th July 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 16 Claims

An apparatus for treating lime mud or the like the apparatus comprising a shaft (10) having one or more flow ducts with a plurality of filter discs (12) arranged thereon, the filter discs consisting of filter sectors (14) and filtrate tubes (16) connecting the inside of the discs with one or more of the flow ducts inside the shaft (10), the apparatus further comprising means for rotating the shaft (10) and the discs (12) in a surrounding vat or in troughs (40) surrounding the discs at least partially, means (24, 26, 28) for feeding the lime mud and means for discharging the thickened lime mud from the apparatus, the discharge means comprising a scraper (20) arranged on both sides of the respective filter disc (12), characterized in that one or more nozzles (42, 44, 58) have been arranged below each scraper (20).



(Compl. Specn. 20 Pages;

Drgns. 3 Sheets)

Ind. Cl. : 98 G

185050

Int. Cl. : B 01 D 1/06; F 28 D 3/02

## EVAPORATOR OPERATING ON FALLING FILM PRINCIPLE

Applicant : TAMPELLA POWER OY, LAPINTIE 1, FIN-33100 TAMPERE, FINLAND, A FINNISH COMPANY.

Inventors :

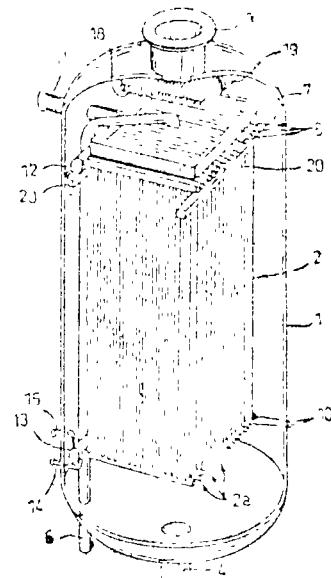
- (1) MATTI KNUUTILA.
- (2) KALEVI NURMINEN.
- (3) JUKKA VAISTOMAA.
- (4) ANSSI MAKELA.

Application No. 622/Mas/94 filed on 12th July 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 8 Claims

Evaporator operating on falling film principle, comprising a shell (1) and an array (2) of evaporating tubes therein, the array comprising vertical evaporating tubes (9), elements (7) for feeding an agent to be evaporated on the evaporating tubes (9) in such a way that it flows down along the evaporating tubes and forms a film on the outer surface thereof, and heating vapour inlet and outlet channels (11, 14, 15) connected to the inner portion of the evaporating tubes (9), wherein the evaporating tube array (2) is formed of a plurality of parallel evaporating elements (2a).



(Compl. Specn. 16 Pages; : : : ; Drgns. 2 Sheets)

Ind. Cl. : 55 A

185051

Int. Cl. : C 11 D 1/88, 1/94 C 11 D 3/20

## A PROCESS FOR MANUFACTURE OF A SYNERGISTIC ANTIMICROBIAL CLEANING COMPOSITION.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020.

Inventors :

- (1) ALEXANDER ALLAN.
- (2) IAN MICHAEL RIORDEN GEORGE.
- (3) KENNETH LESLIE RABONE.

Application No. 270/Bom/95 dated 16-6-1995.

Priority date U.K. 20-6-1994, 26-9-1994, 19-12 and 10-3-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

## 12 Claims

A process for the manufacture of a synergistic antimicrobial cleaning composition comprising mixing :

- (a) an ortho-hydroxy benzoic acid derivative, and
- (b) an amphoteric surfactant and/or an alkoxylated alcohol nonionic surfactant such that the said composition have a pH of 1-5.5.

(Compl. Specn. 28 Pages;

Drgns. 3 Sheets)

Ind. Cl. : 39 K

185052

Int. Cl. : C 01 G 49/02.

## A PROCESS FOR MANUFACTURE OF BLACK IRON-OXIDE PIGMENT.

Applicants : DEEPAK NITRITE LIMITED YIPL COMPLEX, OPP. GOLF COURSE, JAIL ROAD, YERWADA, PUNE-411 006, MAHARASHTRA, INDIA.

## Inventors :

1. MEHTA AJAY CHIMANLAL.
2. BAJAJ ASHOK GURSARNLAL.
3. BANKER VIKAS SOPANRAO.

Application No. 283/Bom/95 filed on 22-6-95.

Comp. Specn. after Prov. Specn. filed on 23-9-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

## 2 Claims

A process for manufacture of black iron oxide pigment by reduction of nitro aromatic compounds such as o-nitro chloro benzene, p-nitro chloro benzene, p-nitro toluene, o-nitro toluene with iron and ammonium chloride under neutral conditions which comprises the steps of stirring and heating under boiling a mixture of nitro aromatic compound, iron powder and a solution of ammonium chloride at atmospheric pressure for 1 to 3 hours and isolating the resulting aromatic amine such as o-chloro aniline, p-toluidine, o-toluidine by steam distillation or filtration followed by filtration of black iron oxide pigment and its washing with hot water to remove dissolved salts of iron, air drying and pulverization in a jet mill to get desired particle size.

(Prov. Specn. 3 Sheets:

Drgns. Nil.)

(Compl. Specn. 4 Sheets:

Drgns. Nil.)

Ind. Cl. : 39 E + 39 P

185053

Int. Cl. : C 01 B 21/14 C 01 D 5/16.

## A PROCESS FOR MANUFACTURE OF HYDROXYLAMINE HYDROCHLORIDE AND SODIUM SULPHATE.

Applicants : DEEPAK NITRITE LIMITED YIPL COMPLEX, OPP. GOLF COURSE, JAIL ROAD, YERWADA, PUNE-411 006, MAHARASHTRA, INDIA.

## Inventors :

1. MEHTA AJAY CHIMANLAL.
2. BAJAJ ASHOK GURSARNLAL.
3. DHOLAKIA RASHMIKANT CHANDRAKANT.

Application No. 284/Bom/95 filed on 22-6-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

## 2 Claims

A process for manufacture of hydroxylamine hydrochloride and sodium sulphate, by reduction of sodium nitrite with sodium bisulphite and sulphur dioxide, from a mixture of hydroxylamine sulphate and sodium sulphate or from pure hydroxylamine sulphate, comprising the steps of adding an alkali such as sodium hydroxide, sodium carbonate, ammonia and methanol and/or ethanol to the solution to cause the hydroxylamine to be dissolved in the aqueous alcohol as free base, separating out most of sodium sulphate, ammonium sulphate or mixture of sodium sulphate and ammonium sulphate from the mixture and subsequently adding hydrochloric acid to the solution to convert free hydroxylamine base into hydroxylamine hydrochloride and separating out most of hydroxylamine hydrochloride with recovery of methanol and water.

(Compl. Specn. 6 Pages:

Drgns. Nil.)

(Prov. Specn. 4 Pages:

Drgns. Nil.)

Ind. Cl. : 170 A + D

185054

Int. Cl. : C 11 D - 17/00

## AN AQUEOUS LIQUID CLEANSING AND MOISTURISING COMPOSITIONS.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.

## Inventors :

- (1) MARGARET JOBLING.
- (2) AILSA PAULINE HILARY GRIEVENSON.

Applicant No. 325/Bom/95 filed on 19-07-1995.

U. K. Priority date 19-07-1994 No. 94/4573.7 of Great Britain.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

## 5 Claims

An aqueous liquid cleansing and moisturising composition comprising :—

- (a) a surface active agent selected from anionic, nonionic, zwitterionic and cationic surface active agents, soap and mixtures thereof; and
- (b) a benefit agent selected from silicone oils; gums; fats; oils; waxes; hydrophobic plant extracts; hydrocarbons; fatty acids; alcohols; esters, essential oils; lipids; phospholipids; vitamins, sunscreens and mixtures thereof;

wherein the benefit agent and surface active agent are separate but combinedly dispensable from a single packaging means in a predetermined ratio as discrete domains, the domains having one dimension of at least 1000 microns.

(Compl. Specn. 25 Pages:

Drgns. Nil.)

Ind. Cl. : 82 [XIV (4)]

185055

Int. Cl. : A 01 K, 83/00

## FISH HOOK.

Applicants &amp; Inventors : NICOLAAS PHILLIPUS JACOBUS VAN DER HOVEN AND HENRY JUSTUS HERMAN VAN DER HOVEN BOTH OF 51, KLAASSENS AVENUE, CONSTANTIA 7800, CAPE TOWN, REPUBLIC OF SOUTH AFRICA AND SOUTH AFRICAN NATIONALS.

Application No. 370/Bom/95 filed on August 24, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

## 11 Claims

A fish hook comprising a shank which terminates at one end in a hook formation and at the other end in a shank head, a hook-closing element having a mounted end and a free end remote from the mounted end, the hook closing element being displaceable between a retracted position in which it lies adjacent the shank and an extended position in which it extends across the gap between the shank and the tip of the hook formation, and a detent mounted so as to be displaceable with respect to the shank in the longitudinal direction of shank between a first position in which it acts to hold the hook-closing element in the retracted position, and a second position in which it releases the hook-closing element for displacement to the extended position, the hook-closing element having an abutment on which the detent acts when holding the hook closing element in the retracted position, the abutment being between the free end and the mounted end of the hook-closing element, spaced from the free end

(Compl. Specn. 12 Pages:

Drgns. 2 Sheets.)

Ind. Cl. : 39 N

185056

Int. Cl. : C 01 F - 11/00.

IMPROVED PROCESS FOR MANUFACTURING HIGH PURITY DIELECTRIC MATERIAL SUCH AS BARIUM TITANATE POWDER.

Applicant : THE ASSOCIATED CEMENT COMPANIES LIMITED CEMENT HOUSE, 121 MAHARSHI KARVE ROAD, MUMBAI-400 020, MAHARASHTRA, INDIA.

Inventors :

- (1) SHIVANAND AMBIKACHARAN BORKAR.
- (2) SUBIR BHATTACHARJEE.
- (3) RUPENDRA MADHUKAR ANKLEKAR.
- (4) CHANDRAKANT HANAMANT PAGE &
- (5) ANJANKUMAR CHATTERJEE.

Application No. 400/Bom/95 filed on 08-09-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office Branch, Mumbai-13.

## 19 Claims

Improved process for manufacturing ultra fine, high purity dielectric material such as barium titanate powder by complex precursor method comprising the steps of :

- (a) preparing dilute aqueous Ti-salt solution by adding concentrated Titanium tetrachloride to demineralized water at temp. varying from 50-60 deg. C., while monitoring the concentration of  $TiCl_4$  in final solution between 0.5-3.0 moles;
- (b) preparing mixed solution of Ba and Ti salts by mixing Ba salt solution with stoichiometric quantity of  $TiCl_4$  solution while maintaining concentration of Ba between 0.5-3.0 moles and adding thereto solution of step (a) under stirring conditions for maintaining therewithin 0.30-0.85 molar metal ions;
- (c) preparing in separate tank mixed salt solution of step (b) with complexing agent such as oxalic acid dissolved in demineralized water for obtaining 0.5 to 1.8 molar concentration and mixing thereto 0.1 to 1% reinstated organic additive acting as dispersant resulting in finer particle of 0.5 - 5 microns;
- (d) mixing solutions of step (b) and (c) while still under stirring conditions wherein the rate of chloride solution (a) being controlled between 2-5 litres per min. while during complex formation the temp. and pH being continuously monitored under stirring condition for 30-60 minutes.
- (e) removing by filtration and washing with demineralized water the complex solution of step (d) to remove therefrom undesirable anions and cations in the product; and
- (f) the product of the step (d) being air or oven dried at 80-150 deg. C. for 1-18 hrs. till moisture content in the product is 1-5% before calcining the dried product in a furnace under controlled temperature profile varying from 800-1200 deg. C. and allowing it to get soaked for 1 to 5 hrs. and which on cooling down to ambient temp. and which without grinding step direct produces high purity single phase, Ba-Ti powder having following product characteristics :

Phase : Tetragonal

Purity : > 99.85% min.

$TiO_2$  : 34.2% - 34.8% max.

$BaO$  : 65.0% - 65.8% max.

$Al_2O_3$  : 0.012% - 0.015% max.

$CaO$  : 0.02% - 0.017% max.

$Fe_2O_3$  : 0.00% - 0.005% max.

$Na_2O$  : 0.01% - 0.008% max.

$SrO$  : 0.02% - 0.015% max.

Average Particle size : 2-5 microns.

(Compl. Specn. 27 Pages;

Drgns. Nil.)

Ind. Cl. : 32 F (a)

185057

Int. Cl. : C 07 C - 85/11

C 07 C - 87/58.

A PROCESS FOR MANUFACTURE OF PARA PHENYLENE DIAMINE FROM PARA AMINO AZOBENZENE BY REDUCTION UNDER NEUTRAL CONDITIONS.

Applicant : DEEPAK NITRITE LTD., YIPL COMPLEX, OPP. GOLF COURSE, JAIL ROAD, YERWADA, PUNE-411 006, MAHARASHTRA STATE, INDIA.

Inventors :

1. AJAY CHIMANLAL MEHTA
2. DR. ASHOK GURSARNLAL BAJAJ.
3. RAJSHEKHAR MADHUKAR BASALE.

Application No. 495/Bom/95 filed on 22-11-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 2 Claims

A process for manufacture of para phenylene diamine from para amino azo benzene by reduction under neutral conditions which comprises stirring and heating under boiling a mixture of para amino azo benzene, iron powder and 7% solution of ammonium chloride in water in the ratio of 1:3:0.5 moles at atmospheric pressure for 1 to 3 hours and isolating aniline by steam distillation followed by filtration of spent iron from the residue and concentration of the filtrate to 50% of its original volume and cooling to 0°C to 10°C isolate para phenylene diamine.

(Compl. Specn. 4 Pages:

Drgns. Nil)

Ind. Cl. : 32 F3 (a)

185058

Int. Cl. : C 07 C 67/00 69/003.

AN IMPROVED PROCESS FOR THE PREPARATION OF PHENYL-N-PROPYL CARBINYL ESTERS OF ORGANIC ACIDS.

Applicants : HERDILLIA CHEMICALS LTD., THANE, BELAPUR ROAD, NEW BOMBAY-400 705, INDIA.

Inventors :

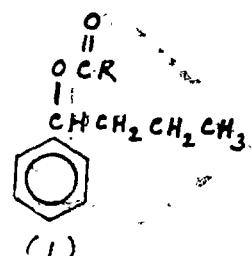
1. BANSIDHAR WASUDEO SHENDE
2. NARESH FULCHAND SHAH
3. BASAB CHAUDHURI

Application No. 102/Bom/96 dated 22-2-96.

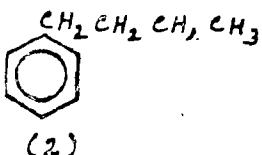
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

## 12 Claims

An improved process for the preparation of phenyl-n-propyl carbonyl esters of the formula 1

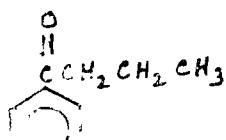


of the drawing accompanying this specification, wherein R represents an alkyl group, from n-butylbenzene of the formula 2.

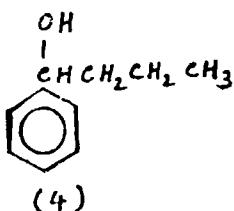


which comprises

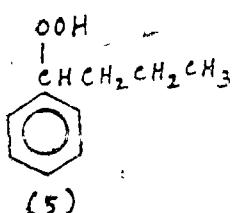
(i) oxidising n-butylbenzene of the formula 2 by means of oxygen or a gas containing it at a temperature in the range of 120 to 140°C, pH in the range of 5.5 to 6.5, maintaining the content of water in the reaction mixture in the range of 2 to 8% w/w, pressure in the range of 2 to 10 kg/cm<sup>2</sup> and the space velocity of the oxygen-containing gas in the range of 1 to 4 cm/sec, to yield a mixture containing unreacted n-butylbenzene of the formula 2, 1-phenylbutyl hydroperoxide of the formula 5, 1-phenyl-1-butanone of the formula 3,



and phenyl-n-propyl carbinol of the formula 4,



(ii) contacting a cyclic olefin with the mixture obtained in step (i) at a temperature in the range of 60 to 110°C under autogenous pressure in the presence of an epoxidation catalyst so as to convert 1-phenylbutyl hydroperoxide of the formula 5.



present in the said mixture to phenyl-n-propyl carbinol of the formula 4 and the appropriate cyclic olefin to its epoxide to yield a mixture containing n-butylbenzene of the formula 2, phenyl-n-propyl carbinol of formula 4, 1-phenyl-1-butanone of the formula 3, the cyclic olefin and its epoxide by fractional distillation so as to obtain the appropriate epoxide as a co-product.

(iii) reducing the 1-phenyl-1-butanone of the formula 3 in the mixture obtained in step (ii) by hydrogenation at a temperature in the range of 80 to 180°C and a pressure in the range of 5—75 kg/cm<sup>2</sup> in the presence of hydrogenation catalyst to yield a mixture containing n-butylbenzene of the formula 2 and phenyl-n-propyl carbinol of the formula 4,

(iv) separating the phenyl-n-propyl carbinol of the formula 4, from the mixture by fractional distillation,

(v) acylating the phenyl-n-propyl carbinol of the formula 4 by conventional methods to give phenyl-n-propyl carbonyl esters of the formula 1.

(Compl. Specn. 11 Pages;

Drng. 1 Sheet)

Ind. Cl. : 32 F<sub>3</sub>(a)

185059

Int. Cl. : C 07 C - 67/00, 59/003.

**AN IMPROVED PROCESS FOR THE PREPARATION OF PHENYL-N-PROPYL CARBINYL ESTERS OF ORGANIC ACIDS.**

Applicants : HERDILLIA CHEMICALS LTD., THANE, BELAPUR ROAD, NEW BOMBAY-400 705, INDIA.

Inventors :

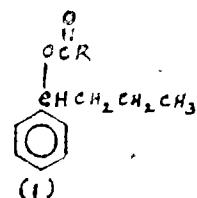
1. SHENDE BANSIDHAR WASUDEO
2. SHAH NARESH FULCHAND
3. CHAUDHURI BASAB.

Application No. 103/Bom/1996 filed on 22-2-1996.

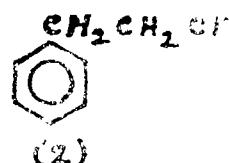
Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

**13 Claims**

An improved process for the preparation of phenyl-n-propyl carbinyl esters of the formula 1,

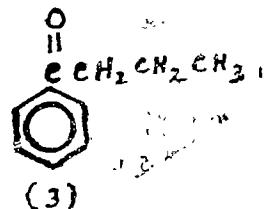


wherein R represents an alkyl group, from butylbenzene of the formula 2,

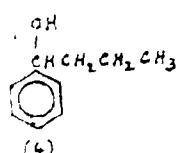


which comprises

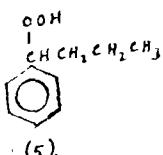
(i) oxidising n-butylbenzene of the formula 2 by means of oxygen or a gas containing it, at a temperature in the range of 120 to 140°C, pH in the range of 5.5 to 6.5, maintaining the content of water in the reaction mixture in the range of 2 to 8% w/w, pressure in the range of 2 to 10 kg/cm<sup>2</sup> and the space velocity of the oxygen-containing gas in the range of 1 to 4 cm/sec, to yield a mixture containing unreacted n-butylbenzene of the formula 2, 1-phenylbutyl hydroperoxide of the formula 5 1-phenyl-1-butanone of the formula 3,



and phenyl-n-propyl carbinol of the formula 4.



(ii) converting the 1 phenylbutyl hydroperoxide of the formula 5



in the mixture obtained in step (i) to phenyl-n-propyl carbinol of the formula 4 by directly hydrogenating with hydrogen at a temperature in the range of 30 to 70°C and pressure in the range of 3 to 10 kg/cm<sup>2</sup> in the presence of a hydrogenation catalyst, to yield a mixture containing n-butylbenzene of the formula 2, phenyl-n-propyl carbinol of the formula 4 and 1-phenyl-1-butanone of the formula 3.

- (iii) reducing the 1-phenyl-1-butanone of the formula 3 in the mixture obtained in step (ii) by hydrogenation at a temperature in the range of 80 to 180°C and a pressure in the range of 5—75 kg/cm<sup>2</sup> in the presence of a hydrogenation catalyst to yield a mixture containing n-butylbenzene of the formula 2 and phenyl-n-propyl carbinol of the formula 4,
- (iv) separating the phenyl-n-propyl carbinol of the formula 4 from the mixture by fractional distillation,
- (v) acylating the phenyl-n-propyl carbinol of the formula 4 by conventional methods to give phenyl-n-propyl carbonyl esters of the formula 1.

(Compl. Specn. 13 Pages;

Drgs. 1 Sheet)

Ind. Cl. : 152 C [X11(2)]

185060

Int. Cl. : B 28 C, 5/00.

#### AN IMPROVED PROCESS OF MANUFACTURING OF CEMENT SUBSTITUTE.

Applicant & Inventor : GHAMSHYAM RANGNATH JOSHI, "SHUBHAMKAROTI", SARASWATI NAGAR, OPP. CITRIC PANCHAK, NASIK-422 101, MAHARASHTRA, INDIA.

Application No. 286/Boi/96 filed on 27th May, 96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

#### 2 Claims

An improved process of manufacturing of cement substitute comprising :

I. Mixing the following components in open space as follows :

- 30% bricks
- 30% Ash powder
- 30% Lime Stone and
- 10% Gypsum

II. Grinding the above components to a mesh size atleast of 200;

III. Mixing the resultant mixture of step II in a ball mixture for excellent drying;

IV. Wet grinding the resultant mixture of step III to obtain atleast 200 to 300 mesh size softness of finish powder.

(Compl. Specn. 10 Pages;

Drgs. 1 Sheet)

#### OPPOSITION PROCEEDINGS

An opposition has been entered by M/s. CEAT LIMITED, an Indian Company to the restoration of a patent on application No. 174163 (289/Mas/89) dated 19th April, 1989 made by Madurai Gopi an Indian Citizen.

#### CLAIM UNDER SECTION 20(1) OF THE PATENT'S ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patent's Act, 1970 the application No. 836/Cal/94 (180127) made by TEXACO DEVELOPMENT to proceed in the name of ABB LUMMUS GLOBAL INC.

In pursuance of leave granted under Section 20(1) of the Patent's Act, 1970 the application No. 864/Cal/94 (182506) made by TEXACO DEVELOPMENT CORPORATION has been allowed to proceed to proceed in the name of ABB LUMMUS GLOBAL INC.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 178100 granted to V.K.J. Bose for an invention relating to a wind/water turbine.

The Patent ceased on the 23-8-1999 due to non-payment or renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30-09-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020, on or before the 28-12-2000 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he based his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 182555 granted to Interneuron Pharmaceuticals, Inc. for an invention relating to a process for preparing a therapeutically active composition for the reduction of infant volume.

The Patent ceased on the 09-06-2000 due to non-payment or renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30-09-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020, on or before the 28-12-2000 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he based his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 182572 granted to Council of Scientific & Industrial Research for an invention relating to a process for the preparation of immobilized Penicillin Gaseylase useful for the preparation 6-amino penicillanic Acid.

The Patent ceased on the 14-06-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30-09-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020, on or before the 28-12-2000 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 182589 granted to Council of Scientific & Industrial Research for an invention relating to a process for the preparation of immobilized penicillin Gaseylase useful for the preparation of 6-amino penicillanic acid (6 APA).

The Patent ceased on the 14-06-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30-09-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020, on or before the 28-12-2000 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 182852 granted to Edward Mendell Co. Inc. for an invention relating to a process for preparing a sustained release oral solid dosage.

The Patent ceased on the 12-07-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30-09-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 28-12-2000 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### CESSATION OF PATENTS

182651

PATENT SEALED ON 29-09-2000

182950\*F 183194\*D 183459\*D 183460\*D 183578 183642  
183670 183671 183673 183701 183702 183703 183706\*  
183707 183708 183709\*

CAL—10, DEL—01, MUM—05, CHEN—NIL.

\*Patent shall be deemed to be endorsed with words licence of right under Section 87 of the Patents Act, 1970 from the date of expiration of three years of the date of sealing.

D—Drug Patents.

F—Food Patents.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Design Act, 1911.

The date shown in each entries is the date of registration included in the entries :

Class 1. No. 181872. Gurmail Enterprises, Guru Nanak Nagar, Dhandra Road, Village Dugri, Ludhiana, (P.B.) India, "PADDLE FOR BICYCLES". 15th March 2000.

Class 1. No. 183024. M/s. Unitek Impex, B/01, Madan Mohan Silk Mills Compound, Sonawala Cross Rd., Goregaon (E), Mumbai-400063, Maharashtra, India. "DRINKING BOWL". 26th July, 2000.

Class 3. No. 181838. M/s. Lightron Industries, 64, Nalanda Vihar, Maharanji Farm, P.O. Durgapur, Jaipur-302018 Rajasthan, India. "ELECTRONIC TRANSFORMER". 10th March, 2000.

Class 3. No. 181869. P. Gopalakrishnan Nair, Indian National Royal Plastics Industries, An Indian Proprietorship Firm at Edathala, Alwaye, Ernakulam District, Kerala, India. "PLASTIC KITCHEN HANGER". 15th March, 2000.

Class 3. No. 182997. Symphony Comfort Systems Limited, Sanskrut, High Court Road, Navrangpura, Ahmedabad-380 009, Gujarat State, India. "DESERT AIR COOLER". 25th January, 2000.

Class 3. No. 181941. Cavinkare Limited, an Indian Company, 130, Peters Road, Chennai-600006, Tamil Nadu, India. "SOFT GELATIN CAPSULE". 27th March, 2000.

Class 11. No. 181623. Woolways (India) Limited, 217, Industrial Area-A, Ludhiana, (P.B.) India, an Indian Company. "SHIRT". 18th February, 2000.

Class 11. No. 181868. V.H.P. Exports, D-1/52, New Kondli, Delhi-110096, India, an Indian Partnership Firm. "ADVANCED RIOT SAFETY JACKET". 15th March, 2000.

Class 13. No. 181260. Karsondas Exports, At Karsondas House, Government Industrial Area, Plot No 60-C/D Charkop, Kandivli (West), Mumbai-400067, India. "CURTAIN BELT". 10th January, 2000.

H. D. THAKUR

Controller General of  
Patents Designs &  
Trade Marks

प्रकाशक, भारत सरकार संस्थालय, फरीदाबाद द्वारा मुद्रित  
एवं प्रकाशित नियंत्रक, दिल्ली द्वारा प्रकाशित, 2000

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